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(54) Title: PACKING MATERIAL HAVING BIOLOGICALLY ACTIVATING EFFECT

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(57) Abstract

The invention relates to packing material having biologically activating effect, characterized in that one or more surface(s) of it is/are provided with fixed permanent magnet and/or permanent magnet insert. The packing material according to the invention is preferably used for foodstuffs, cosmetics, hygienic products, medicinal products.

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Packing material having biologically activating effect

The invention relates to packing material having biologically activating effect.

5 Foodstuffs, cosmetics, pharmaceutical products are issued in different packing.

The products can be packed in paper cases, plastic cases or encasements, glass or porcelain or ceramic bottle, jar or box, plastic box etc.

10 The role of packing is to serve as storing container for protecting the product from external effects such as oxidation, UV radiation, drying out or evaporation.

The packing can further have aesthetic purposes.

To date no packing material has been known which would

15 have biologically activating effect on the stored product.

We have surprisingly found that supplying the package of the products, the packing material with permanent magnet, the magnetic field created will have an influence also on

Our experiments have shown that the product exposed to magnetic field had a biologically more favourable effect, e.g. the active ingredient of the product was absorbed more quickly and efficiently by the body, and other

25 physiologically advantageous effects were also experienced.

20 the product.

The effect of magnetic field on water is described in the

25 minutes.

Hungarian patent specification No. 187 898. According to said patent specification when the water is conducted through a pipe wich has an iron core and a magnet is placed on the mantle of the pipe, the magnetic field

The Hungarian patent application published under the number T/68 389 discloses the effect of magnetic field

5 created inhibits the deposition of scale.

excerted on the growth of plants and microorganisms.

However, packing material which would activate the

10 product by magnetic field during storage and produce thereby a favourable physiological effect, have not been described yet.

Thus, the subject of the present invention is a packing material having biologically activating effect, prefer-

15 ably for use for foodstuffs, cosmetics, hygienic and medicinal products.

The packing material is characterized in that to the surface of it one or more permanent magnet is/are fixed and/or it is provided with permanent magnetic inset.

- 20 The effect of the magnetic field created by the permanent magnet can optionally be increased by placing the packing material containing the product and supplied with permanent magnet, into magnetic field created by electric magnet or permanent magnet, and keeping it there for 1-60
 - This post-treatment represents, however, only a preferably process.

In most cases the permanent magnet placed into the packing material or on the surface of it, creates a magnetic field strong enough to excert suitable effect on the product.

- 5 The packing material according to the invention can be used for packing foodstuffs, e.g. coffee, tea, spices, mineral waters, fruit juices and the like, hygienic products, e.g. tooth-pastes, cosmetics, e.g. creams, tonics, gels etc.
- 10 The packing material can be a plastic or glass bottle, in this case a magnetic inset is placed into the screw cap.

 The packing material according to the invention can also be a paper box, where the surface of the paper is provided with one or more magnetic strip.
- 15 Within the scope of the present invention is e.g. a metal or plastic tooth-paste tube in the screw cap of which magnetic inset is placed and the screw-thread of the neck of the tube is made of magnetic material.

 Similar solution can be applied also in the case of
- 20 cosmetic tubes, jars.

The results of our experiments show that the active ingredient of the tooth-paste stored in a packing material according to the invention, is absorbed more quickly and it has increased physiological influence,

25 e.g. the antibacterial effect of the tooth-paste is enhanced and the formation of incrustation is suppressed to a greater extent.

Also in the case of beauty preparations containing active ingredients, the experiments show increased absorption, the strengthening of the effect of the active ingredient.

5 The packing material according to the invention can be made of paper, plastic, glass, porcelain, ceramic, metal, wood, leather, textile etc.

What we claim is:

- Packing material having biologically activating effect, preferably for use for foodstuffs, cosmetics,
 hygienic products, medicinal products, characterized in that one or more surface(s) of the packing material is/are provided with fixed permanent magnet and/or permanent magnet inset.
- 2. The packing material according to Claim 1, characterized in that into the packing material made of paper, plastic, glass, porcelain, ceramic, metal, wood, leather, textile, or on the surface of it one or more permanent magnet is placed.

INTERNATIONAL SEARCH REPORT

Intern: 1 Application No PCT/HU 96/00044

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A. CLASS IPC 6	ification of subject matter B65D81/24		
According t	to International Patent Classification (IPC) or to both national cla	assification and IPC	
B. FIELDS	S SEARCHED		
Minimum o	ocumentation searched (classification system followed by classifi B65D	cation symbols)	
Documenta	tion searched other than minimum documentation to the extent th	at such documents are included in the field	s searched
Electronic d	data base consulted during the international search (name of data	base and, where practical, search terms use	d)
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.
X	FR,A,2 649 959 (DELBES, COCHAND BABOT) 25 January 1991 see the whole document	, THEBAULT,	1,2
X	FR,A,2 643 551 (BONTEMPS) 31 Au see the whole document	gust 1990	1,2
X	US,A,4 872 401 (LEE) 10 October see the whole document	1989	1,2
X	FR,A,2 590 165 (BERUS) 22 May 1 see the whole document	987	1,2
Furt	her documents are listed in the continuation of box C.	X Patent family members are liste	d in annex.
"A" docum consid "E" earlier filing ("L" docum which citatio "O" docum other ("P" docum	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"T" later document published after the i or priority date and not in conflict cited to understand the principle or invention "X" document of particular relevance; t cannot be considered novel or can involve an inventive step when the "Y" document of particular relevance; t cannot be considered to involve an document is combined with one or ments, such combination being obtain the art. "&" document member of the same pate	with the application but theory underlying the he claimed invention not be considered to document is taken alone he claimed invention inventive step when the more other such docu- rious to a person skilled
	actual completion of the international search 3 December 1996	Date of mailing of the international	- 9. 01. 97
		Authorized officer	-
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INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: al Application No PCT/HU 96/00044

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR-A-2649959	25-01-91	NONE	
FR-A-2643551	31-08-90	FR-A- 263604	9 09-03-90
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